

CERTIFICATE OF ANALYSIS

Organic Essential Oil of Olibanum from Somalia
100% pure and natural

Botanical name : *Boswellia carteri* Birdw. (syn: *Boswellia sacra* Flueck.)
 Commercial name : Organic Olibanum
 Batch number : **2400057**
 Geographical origin : Somalia
 Production date : August 2023

Physical and chemical data :

	Standards	Results of analysis
Appearance	Liquid	Conform
Colour	Colourless to yellow	Conform
Odour	Characteristic, warm, balsamic, rising	Conform
Specific gravity at 20°C	0.850 to 0.895	0.8710
Refractive index at 20°C	1.450 to 1.485	1.4728
Optical rotation at 20°C	-25° to +20°	-11.99°
Flash point	+30°C to +45°C	

Table of components (1) :

Components	Contents
Alpha-thujene	4.95%
Alpha-pinene	52.08%
Camphene	0.90%
Thuja-2,4(10)-diene	0.37%
Sabinene	4.18%
Beta-pinene	2.59%
Myrcene	4.97%
Alpha-phellandrene	1.50%
Delta-3-carene	0.16%
Alpha-terpinene	0.19%
Para-cymene	3.50%
Limonene	11.31%
Beta-phellandrene	0.36%
Cineole-1,8 (Eucalyptol)	0.24%
Cis-beta-ocimene	0.52%
Gamma-terpinene	0.34%
Terpinolene	0.09%
Para-cymene	0.10%
Perillene	0.04%

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Table of components (2) :

Components	Contents
Linalool	0.11%
Beta-thujone	0.35%
Alpha-campholenal	0.27%
Trans-pinocarveol	0.72%
Trans-verbenol	0.71%
Para-mentha-1,5-dien-8-ol	0.15%
Terpinene-4-ol	0.80%
Myrtenol	0.24%
Octyl Acetate	1.84%
Verbenone	0.43%
Carvone	0.14%
Bornyl Acetate	0.30%
Alpha-copaene	0.25%
Beta-bourbonene	0.37%
Beta-elemene	0.17%
Beta-caryophyllene	1.08%
Alpha-trans-bergamotene	0.09%
Alpha-humulene	0.24%
Allo-aromadendrene	0.12%
Gamma-muurolene	0.21%
Germacrene D	0.42%
Beta-selinene	0.12%
Alpha-muurolene	0.23%
Gamma-cadinene	0.34%
Delta-cadinene	0.47%
Caryophyllene Oxide	0.23%
Viridiflorol	0.29%
Epi-alpha-cadinol	0.25%
TOTAL	99.33%